

WHAT IS CLAIMED IS:

Subject D1
~~Subject A~~
~~Subject B~~
~~Subject C~~
~~Subject D~~
~~Subject E~~
~~Subject F~~
~~Subject G~~
~~Subject H~~
~~Subject I~~
~~Subject J~~
~~Subject K~~
~~Subject L~~
~~Subject M~~
~~Subject N~~
~~Subject O~~
~~Subject P~~
~~Subject Q~~
~~Subject R~~
~~Subject S~~
~~Subject T~~
~~Subject U~~
~~Subject V~~
~~Subject W~~
~~Subject X~~
~~Subject Y~~
~~Subject Z~~

1. A recording apparatus for recording on recording sheets by recording means, said recording apparatus comprising:

a transporting roller for transporting recording sheets further upstream in the transporting direction than said recording means;

plurality of discharging rollers for transporting recording sheets further downstream in the transporting direction than said recording means; and

a farthest-downstream discharging roller disposed farthest downstream in the transporting direction of said plurality of discharging rollers, which is of higher precision than upstream-side discharging rollers disposed further upstream.

2. A recording apparatus according to Claim 1, said plurality of discharging rollers each comprising:

a shaft serving as a center of rotation; and

a roller portion of a rubber member for integrally rolling with said shaft to transport recording sheets;

wherein the shaft of said farthest-downstream discharging roller is formed of metal, and the shafts of said upstream-side discharging rollers are formed of resin.

3. A recording apparatus according to Claim 2, wherein said farthest-downstream discharging roller is formed by polishing.

4. A recording apparatus according to any of the Claims 1 through 3, further comprising slave rollers each rotating synchronously with said plurality of discharging rollers, wherein the pressing force of a farthest-downstream slave roller rotating synchronously with said farthest-downstream discharging roller is greater than that of upstream-side slave rollers rotating synchronously with said upstream-side discharging rollers.

5. A recording apparatus according to any of the Claims 1 through 3, further comprising load torque providing means for providing load torque to said farthest-downstream discharging roller.

6. A recording apparatus according to Claim 5, wherein said load torque providing means comprise a leaf spring and friction pad for pressing against the shaft of said farthest-downstream discharging roller.

7. A recording apparatus according to Claim 5, wherein

said load torque providing means comprise a clutch spring wound onto said shaft of said farthest-downstream discharging roller.

8. A recording apparatus according to Claim 5, wherein said load torque providing means comprise a compression coil spring for pressing against a gear on the axis of said farthest-downstream discharging roller.

9. A recording apparatus according to any of the
Claims 1 through 3, wherein the friction coefficient which
said farthest-downstream discharging roller places on said
recording sheets is greater than the friction coefficient
which said upstream-side discharging rollers place on said
recording sheets.

10. A recording apparatus according to any of the Claims 1 through 3, wherein said recording means is a recording head which records on recording sheets by discharging ink.

11. A recording apparatus according to Claim 10,
wherein said recording head applies electricity to electro-
thermal converters according to signals, and discharges ink
using thermal energy generated by said electro-thermal

converters.